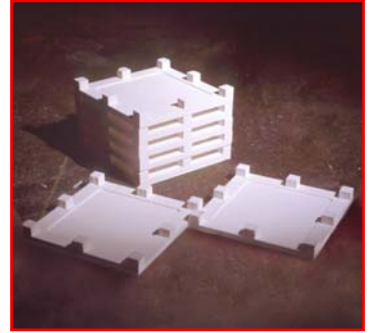


ALTRA[®] Kerasetter Ultra High Density Vacuum Formed Boards

ALTRA[®] Kerasetter machinable board products are available in formulations for service temperatures up to 1700°C. ALTRA[®] Kerasetter boards are available for high temperature, oxidizing environments (KVS) or high temperature, reducing environments (KVR). ALTRA[®] boards are formed from alumina or mullite polycrystalline fibers with appropriate inorganic and organic binders. All grades are pre-fired to 1000°C or greater, resulting in an organic free composition. Possible applications include low mass sintering setters.



Properties	Units	KVS 174/1000	KVS 174/1500	KVR 164/1002	KVR 164/1402
Classification Temperature	°F °C	3092 1700	3092 1800	2912 1600	2912 1600
Service Temperature	°F °C	3092 1700	3092 1700	2822 1550	2822 1550
Density	lbs/ft ³ (kg/m ³)	62 1000	93 1500	62 1000	87 1400
Linear Shrinkage 24 hrs @ Temperature “+” indicates growth	%	+0.5@1600°C +0.2@1700°C 3.7@1750°C	+0.3@1600°C +0.4@1700°C 0.3@1750°C	0.0@1400°C 0.2@1500°C 0.5@1600°C	0.0@1400°C 0.1@1500°C 0.4@1600°C
Thermal Conductivity <i>Hot Wire Method</i>	W/mK				
400°C		0.243	0.295	0.243	0.295
600°C		0.260	0.321	0.260	0.321
800°C		0.275	0.327	0.275	0.327
1000°C		0.294	0.337	0.294	0.337
1200°C		0.314	0.340	0.314	0.340
1400°C		0.331	0.356	0.331	0.356
Chemical Composition	%				
Al ₂ O ₃		89	89	>97	>97
SiO ₂		11	11	<3	<3
Fiber Type		Mullite	Mullite	Alumina	Alumina

▲ **NOTE:** All Kerasetter grades are available in board form up to 20mm thick or CNC machined to customer print.